

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>402895WO</b>	<b>FOR FURTHER ACTION</b>		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. <b>PCT/EP2004/009299</b>	International filing date (day/month/year) <b>18/08/2004</b>	(Earliest) Priority Date (day/month/year) <b>28/08/2003</b>	
Applicant  <b>KONINKLIJKE KPN N.V.</b>			

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/009299

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04M3/22 H04B3/46 H04B3/23 H04M9/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 206 104 A (KONINKL KPN NV) 15 May 2002 (2002-05-15) cited in the application figures 1-5 claims 1-14 paragraph '0019! - paragraph '0032! -----	1-14
A	US 6 424 635 B1 (SONG WEI-JEI) 23 July 2002 (2002-07-23) abstract figures 1-5 column 1, line 60 - column 2, line 15 column 4, line 15 - column 5, line 50 -----	2-6, 9-12
A	US 2003/053618 A1 (GRITTON CHARLES W K ET AL) 20 March 2003 (2003-03-20) figures 1-6 paragraph '0029! - paragraph '0039! paragraph '0050! - paragraph '0057! -----	2-6, 9-12

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

29/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Gavin Alarcon, 0

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009299

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1206104	A	15-05-2002	EP 1206104 A1	15-05-2002
			AU 2361202 A	21-05-2002
			WO 0239707 A2	16-05-2002
			EP 1336288 A2	20-08-2003
			JP 2004514327 T	13-05-2004
			US 2004042617 A1	04-03-2004
US 6424635	B1	23-07-2002	NONE	
US 2003053618	A1	20-03-2003	US 6522746 B1	18-02-2003
			AU 1359601 A	14-05-2001
			CA 2390200 A1	10-05-2001
			WO 0133814 A1	10-05-2001
			US 2003091182 A1	15-05-2003
			US 6526139 B1	25-02-2003
			US 6526140 B1	25-02-2003